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In the Claims

- An RF power amplifier comprising: l. (original)
- an integrated circuit;
- a first power amplifier formed on the integrated circuit, the first power amplifier having a first switching device;
- a second power amplifier formed on the integrated circuit, the second power amplifier having a second switching device, wherein the first and second power amplifiers are connected in a stacked arrangement between a voltage supply and ground; and wherein the first and second switching devices are electrically isolated from each other.
- The RF power amplifier of claim 1, wherein the first and second switching 2. (original) devices are electrically isolated by isolating the bodies of the first and second switching devices.
- 3. (original) The RF power amplifier of claim 2, wherein the bodies of the first and second switching devices are isolated by forming one of the switching devices in a deep N-well.
- The RF power amplifier of claim 3, wherein a bias voltage is applied to 4. (original) the deep N-well.
- (withdrawn) The RF power amplifier of claim 1, wherein the first and second switching 5. devices are isolated by forming the integrated circuit using N starting material.

6. (withdrawn) The RF power amplifier of claim 2, wherein the bodies of the first and second switching devices are isolated using silicon on isolator technology.

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- 7. (withdrawn) The RF power amplifier of claim 1, further comprising a third power amplifier formed on the integrated circuit, the third power amplifier having a third switching device, wherein the first, second and third switching devices are electrically isolated from each other.
- 8. (original) The RF power amplifier of claim 1, wherein the integrated circuit is implemented using CMOS technology.
- 9. (original) A method of making a stacked RF power amplifier comprising: providing a CMOS integrated circuit;

forming first and second stacked power amplifiers on the CMOS integrated circuit, wherein the first and second stacked power amplifiers each include at least one switching device; and electrically isolating a switching device of the first power amplifier with a switching device of the second power amplifier.

- 10. (original) The method of claim 9, wherein the step of electrically isolating a switching device of the first power amplifier with a switching device of the second power amplifier further comprises isolating the body of the first switching device from the body of the second switching device.
- 11. (original) The method of claim 10, further comprising forming a deep N-well in the integrated circuit.

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- 12. (original) The method of claim 11, wherein the switching device of the second power amplifier is formed using the deep N-well to provide isolation from the switching device of the first power amplifier.
- 13. (original) The method of claim 12, further comprising applying a bias voltage to the deep N-well.
- 14. (withdrawn) The method of claim 10, further comprising using silicon on isolator techniques for isolating the body of the first switching device from the body of the second switching device
- (original) A stacked RF power amplifier comprising:
 an integrated circuit;

first and second stacked power amplifiers, wherein each power amplifier includes at least one switching device having a substrate; and

wherein the body of a switching device in the first power amplifier is electrically isolated from the body of a switching device in the second power amplifier.

- 16. (original) The stacked RF power amplifier of claim 15, wherein the isolation is provided by forming one of the switching devices in a deep N-well.
- 17. (original) The stacked RF power amplifier of claim 16, wherein a bias voltage is applied to the deep N-well.

18. (withdrawn) The stacked RF power amplifier of claim 15, wherein the isolation is provided by forming the integrated circuit using N' starting material and forming the switching devices in P-wells.

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- The stacked RF power amplifier of claim 15, wherein the isolation is 19. provided by using a silicon on isolator technique.
- The stacked RF power amplifier of claim 15, wherein the integrated circuit 20. (original) is implemented using CMOS technology.
- A stacked RF power amplifier formed on an integrated circuit comprising: 21. (original) a first transistor formed on the integrated circuit, the first transistor having a transistor body; a second transistor formed on the integrated circuit, the first transistor having a transistor body; and

wherein the transistor body of the first transistor is isolated from the transistor body of the second transistor.

- The stacked RF power amplifier of claim 21, wherein the transistor bodies 22. (original) of the first and second transistors are isolated by forming one of the transistors in a deep N-well.
- (withdrawn) The stacked RF power amplifier of claim 21, further comprising the steps 23. of:

forming the integrated circuit using N starting materials; and forming the first and second transistors in P-wells in the integrated circuit.

- 24. (withdrawn) The stacked RF power amplifier of claim 21, wherein the transistor bodies of the first and second transistors are isolated using silicon on isolator technology.
- 25. (original) The stacked RF power amplifier of claim 21, wherein the integrated circuit is implemented using CMOS technology.